



# **NAVY MARINE CORPS SPECTRUM OFFICE ATLANTIC**

**NMCSO LANT**

**(AFLOAT/FLEET SUPPORT)**

**"Distribution A: Approved for public release"**

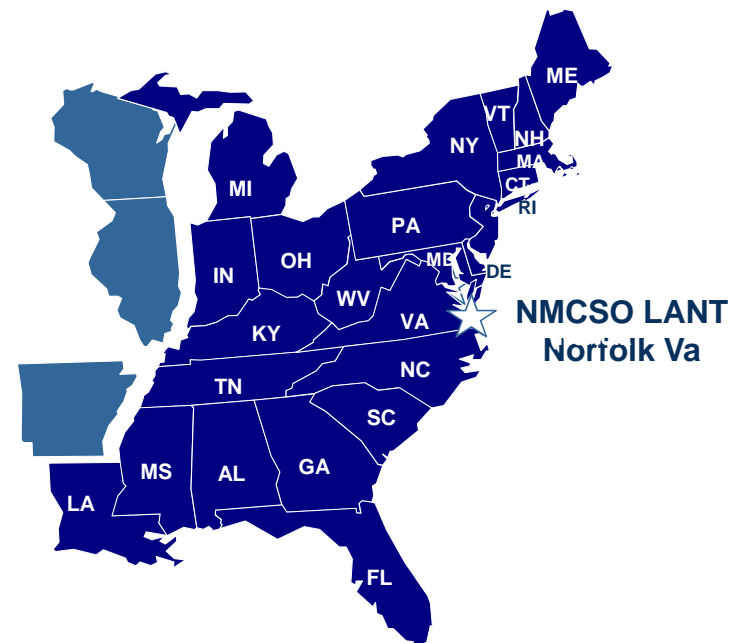
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# NMCSO LANT Norfolk Va Region of Responsibility



## Atlantic/Gulf Coast





# **NMCSO LANT Norfolk Va Region of Responsibility**



**Responsible for the 25 Eastern States, Western Atlantic, Gulf of Mexico, Caribbean Sea and the waters around South America:**

- **Focal Point for Radio Frequency Spectrum Issues for the Navy & Marine Corps Afloat and Ashore, supporting USNORTHCOM, USSOUTHCOM, C2F and C4F.**
- **Point of Contact for Radio Frequency Interference (RFI) incidents**
- **Liaison to the local Federal Aviation Administration, Federal Communications Commission, NOAA and other DoD AFCs.**
- **Point of Contact for N/MC Electronic Attack & GPS Jamming Requests**



# Region of Responsibility Cont.



- **NMCSO LANT AO extends from 92 to 45 degrees West longitude. (basically, WESTLANT, Gulf of Mexico, Caribbean Sea and waters around South America).**
- **Enroute to the Med, upon crossing 45 degrees W longitude, enter C6F's OPCON; however, geographically TACAN assets in EASTLANT are NATO controlled and must be requested from MCC HQ Northwood.**
- **MCC HQ Naples is the TACAN assignment authority for the Mediterranean.**
- **COMSIXTHFLT is the assignment authority for Frequency assets while in EASTLANT & Mediterranean Sea AO's.**
- **One TACAN message to ALL action addressees can be sent, be sure to clearly indicate the dates and locations and ALL action addressees will respond for their appropriate areas.**



# NMCSO LANT NORFOLK VA



- **Point of Contact for Mode II IFF Codes**
- **Focal Point for NTIA mandated Five Year Review Process**
- **Point of Contact for Installation Spectrum Managers**
- **Initial Point of Contact for Equipment Frequency Allocation Issues**
- **Installation Spectrum Managers (ISM) are First Line of Defense. We are the gateway to National Level Spectrum Management for ISMs & the fleet.**



# What We Do



- **Perform Frequency de-confliction and Interference Analysis**
- **Perform TACAN de-confliction and assignment for USN, USCG and NATO ships**
- **Manage and assign CSG/ESG COMPLANS for C2F and C4F Strike Groups**
- **Respond to and work to mitigate and resolve RFI incidents**
- **Review and submit Electronic Attack Requests to the National Level**
- **Monitor and validate in port radiation requests.**
- **Assign all Atlantic AO Mode II IFF Codes (USN, USMC, USCG and NATO)**
- **Send and receive message traffic in response to received requests**



# What We Do



- **Send fleet advisories in response to RFI protection requests to manned and unmanned launches and landings.**
- **Review and submit frequency requests from ISMs/customers to the national level**
- **Coordinate with government and non-government agencies as required ISO Navy and Marine Corps spectrum requirements afloat and ashore**



# **FLTCOMMOPLAN OPORD 2000 ANNEX K**



- **OPORD 2000 ANNEX KILO (27Mar04) is posted on the CFFC website <http://www.ffc.navy.smil.mil>**
  - **APPENDIX 12: Frequency Requests, Assignments, TACAN, Link 16 Procedures and Electronic Attack**
  - **TAB A: Frequency Request Format**
  - **TAB D: TACAN Channel Assignment Policy and Procedures.**
  - **TAB G: Electronic Attack**
  - **APPENDIX 13 – RADAR Restrictions**



# **AESOP & CSG/ESG Plans**



- **ALCOM 033/05 DTG 021532ZMAY05 mandates use of AESOP for the purpose of COMPLAN/ OPTASKCOMS development.**
- **All ships and staff commands should be in receipt of and using AESOP for COMPLAN/OPTASK COMMS development.**
- **Copies are available from NMCSO LANT upon request.**
- **COMSECONDFLT message DTG 011119ZOCT08 announced CSG/ESG Plans for the ATLANTIC AO.**



# ALCOM 089/08 and OP-3840



- **COMNAVNETWARCOM 171722Z JUL 08 - ALCOM 089/08 announced OP-3840 Appendix F as replacement for Navywide OPTASK COMMS**
  - **Directs implementation of Appendix F as avy standard for Emission Designators, Line Numbers, Circuit Titles and Net Explanations for Navy COMPLANS.**
  - **App F is available for download at the following SIPRNET websites:**

**<http://205.0.132.75/DON/SO/SITE.NSF>** or

**<http://cnl.phdnswc.navy.smil.mil/aesop>**



# TACAN CHANNEL REQUIREMENTS



- **No permanent TACAN, Land launch or homer frequencies are assigned within the LANT AOR. Requests must be submitted for each underway period.**
- **Use of TACAN in port is not authorized except for short duration testing or troubleshooting. Authorized assignment and Port Ops approval is required.**
- **Requests must be submitted IAW FLTCOMMOPLAN Annex K, Appendix 12 Tab D. Paragraphs (5) and (6) should be repeated as many times as necessary to convey ships movement through various OPAREAS or between locations.**
- **All ships must submit TACAN, Land launch, Homer requests to NMCSO LANT NORFOLK VA for Ops within C2F/C4F. (92W-45W longitude). Some issues w/FFGs ISO JIATFS OPS.**



# REQUEST MESSAGES



- **Contact information. Ensure POC info is correct. (include email and accurate phone number)**
- **TACAN/Land Launch frequency request can be submitted in one message for routine ISE, otherwise AESOP request is required. (email .aex file and .txt request)**
- **Multiple underway requirements can be submitted in one request, repeat paragraphs (5) and (6) of request as many times as necessary.**
- **Address messages to NMCSO LANT NORFOLK VA.**
  - **LANT-MED & MED-LANT Transits: Include MCC HQ Northwood, MCC HQ Naples and COMSIXTHFLT.**



# **ELECTRONIC ATTACK (EA) REQUEST**



- **Reference: CJCSM 3212.02, 15 October 2003.**
- **OPORD 2000 Annex K, Appendix 12, Tab GOLF contains sample messages.**
- **Notifications must reference the supporting authorization and contain pertinent information regarding the EA mission (i.e. EA control number, dates, locations Warning area and lat/long).**
- **No response is sent to an EA notification.**



# **IN PORT RADIATION**



## **Two Step Process**

- (1) A frequency assignment must be held in order to conduct in port radiation. If not held, a frequency assignment must be obtained. (In port HR OPTASKCOMMS)**
- (2) In port radiation request must be sent. CNRMA SOPA (ADMIN) HRINST 5400.1 refers.**
  - Common in port requirements: SOVT, HERO/HERF/HERP**
  - Validate frequencies intended for SOVT, HERO, HERP, HERF. When in doubt, Call. Know the RF requirements (number of frequencies required, emission, power, etc).**
  - any times EMO or STO has this information and it may not have been communicated to Radio who would request and obtain frequency support.**



# Recent issues and trends



- **RFI:**
  - **SPS-49 (Sprint-NEXTEL)**
  - **APS-145 on E2s (GAFC range operations & Cape Canaveral shuttle launches)**
- **Inadequate lead time for processing requirements**
- **West coast ships in Region of Responsibility without proper TACAN channel assignment for use east of 92W longitude**
- **Improperly addressed messages to JFMO LANT**
- **Lack of understanding of basic fleet communications requirements.**



# 2009 Afloat Transactions



**2009 average monthly assignments, messages and number of commands served**

- **TACAN assignments per month** 86
- **Frequency assignments per month** 360
- **Messages sent per month** 60
- **Commands served per month** 59



# CONTACT INFORMATION



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## NMCSO LANT Mailing Address

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## Collective email addresses:

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## After Hours Contact

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## SIPRNET Collaboration At Sea (CAS) Site:

<http://205.0.132.75/don/so/site.nsf>

Visit Request: JPAS 000664

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**QUESTIONS ?**